

## **IN THE CLAIMS:**

Please amend the claims as follows:

1. **(Currently Amended)** A hydrogen supply unit comprising:

reformation means for reforming a source gas containing hydrocarbons to generate a hydrogen-rich reformed gas;

a fuel cell in direct communication with a downstream outlet of the reformation means and consuming the reformed gas for generating electric power; and

purification means for purifying hydrogen in an exhaust gas discharged from said fuel cell, ~~wherein the purification means receives the exhaust gas containing the hydrogen, and the exhaust gas is discharged only from the fuel cell.~~

2. **(Previously Presented)** The hydrogen supply unit according to claim 1, wherein said purification means purifies the hydrogen, which is passed through a hydrogen permeable membrane and a hydrogen purifying adsorbent for purifying the hydrogen.

3. **(Previously Presented)** The hydrogen supply unit according to claim 1, wherein said purification means comprises:

a membrane separator for conducting membrane separation based on a hydrogen permeable membrane;

a pressurizer for pressurizing the exhaust gas purified by said membrane separator; and

an adsorber for purifying the exhaust gas pressurized by said pressurizer.

4.     **(Previously Presented)**   The hydrogen supply unit according to claim 1, wherein said purification means comprises:

        a membrane separator for conducting membrane separation based on a hydrogen permeable membrane provided with a function for pressurizing hydrogen; and  
        an adsorber for purifying the exhaust gas pressurized by said membrane separator.

5.     **(Previously Presented)**   The hydrogen supply unit according to claim 3, wherein the membrane separator for conducting the membrane separation comprises electrodes on front and back surfaces of said hydrogen permeable membrane, and conducts the purification of the hydrogen by providing an electrical potential difference between the front and back surfaces of said hydrogen permeable membrane to make hydrogen ions permeate said hydrogen permeable membrane.

6.     **(Previously Presented)**   The hydrogen supply unit according to claim 3, wherein the adsorber includes a plurality of containers charged with an adsorbent, and purifies the hydrogen by passing the exhaust gas containing the hydrogen through the plurality of containers while varying the pressure of the exhaust gas.

7.     **(Previously Presented)**   The hydrogen supply unit according to claim 3, further comprising:

        a first passage directing an offgas separated by said hydrogen permeable membrane to said reformation means, and

        a second passage directing an offgas separated by said pressurizer to said fuel cell,

wherein said reformation means reforms said source gas, and consumes the offgas directed to the reformation means by the first passage in addition to said source gas; and

wherein said fuel cell generates electric power by using the offgas directed to the fuel cell by the second passage.

8. **(Previously Presented)** The hydrogen supply unit according to claim 3 or 4, further comprising:

a first passage directing an offgas separated by said membrane separator to said reformation means, and

a second passage directing an offgas separated by said adsorber to said fuel cell, wherein said reformation means reforms said source gas, and consumes the offgas directed to said reformation means by the first passage, in addition to said source gas; and

wherein said fuel cell generates electric power using the offgas directed to the fuel cell by the second passage.

9. **(Previously Presented)** The hydrogen supply unit according to Claim 8, comprising storage means for storing the hydrogen purified by said purification means.

10. **(Previously Presented)** The hydrogen supply unit according to claim 9, wherein said storage means comprises:

a pressurization means in storage for pressurizing the hydrogen gas to be stored, and

connection means for being connected to a vehicle that consumes hydrogen as fuel.

11. **(Previously Presented)** The hydrogen supply unit according to claim 3, comprising:

storage means for storing the hydrogen purified by said purification means, wherein said storage means comprises:

a first tank for storing the gas supplied from said adsorber;

a pressurizer in storage for pressurizing the gas supplied from said first tank;

a second tank for storing the gas supplied from said pressurizer in storage; and

a connector for connecting said second tank to a vehicle that consumes hydrogen as fuel.

12. **(Previously Presented)** The hydrogen supply unit according to claim 4, wherein the membrane separator for conducting the membrane separation comprises electrodes on front and back surfaces of said hydrogen permeable membrane, and conducts the purification of the hydrogen by providing an electrical potential difference between the front and back surfaces of said hydrogen permeable membrane to make hydrogen ions permeate said hydrogen permeable membrane.

13. **(Previously Presented)** The hydrogen supply unit according to claim 4, wherein the adsorber includes a plurality of containers charged with an adsorbent, and purifies the hydrogen by passing the exhaust gas containing the hydrogen through the plurality of containers while varying the pressure of the exhaust gas.

14. **(Previously Presented)** The hydrogen supply unit according to claim 4, comprising:

storage means for storing the hydrogen purified by said purification means, wherein said storage means comprises:

a first tank for storing the gas supplied from said adsorber;

a pressurizer in storage for pressurizing the gas supplied from said first tank;

a second tank for storing the gas supplied from said pressurizer in storage; and

a connector for connecting said second tank to a vehicle that consumes hydrogen as fuel.